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Attorney Docket No.  
D/A1440

on 2/2/2004  
Date

Cathy Whitney  
Cathy Whitney

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of Timothy P. Bender

Group Art Unit: not yet assigned

Application No.: 10/721,140

Examiner: not yet assigned

Filed: November 25, 2003

For: BRANCHED POLYARYLENE ETHERS AND PROCESSES FOR THE PREPARATION THEREOF

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

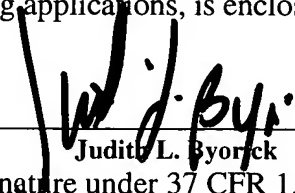
Sir:

**INFORMATION DISCLOSURE STATEMENT**

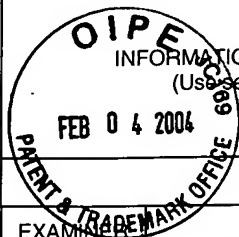
Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) and information listed on the attached PTO-1449 Form. One legible copy of each is attached to the PTO-1449 Form, except for U.S. Patents or published U.S. applications. It is respectfully requested that the references and information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of the above application (which is not a CPA), **OR** (b) before the mailing date of a first Office Action on the merits. *No certification or fee is required.*
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date **AND** after the date of the first Office Action on the merits, but before the mailing date of a Final Rejection, Notice of Allowance, or other action that closes prosecution. Please debit Xerox Corporation Deposit Account 24-0025 in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p). *(A copy of this paper is attached.)*
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance; **AND**
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1); **(OR)**

- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c), more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2)
- ☐ 4. This Information Disclosure Statement is being filed after the mailing date of a Final Rejection or Notice of Allowance, but before the payment of the Issue Fee. Please debit Xerox Corporation Deposit Account 24-0025 in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p) (*A copy of this paper is attached*); **AND**
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1); **(OR)**
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2)
- ☐ 5. Per 37 C.F.R. 1.98(a)(3), a concise explanation of the relevance of each of any submitted item that is NOT in the English language is either enclosed herewith, or incorporated in the application specification.
- ☐ 6. A copy of an English language version of an above-referenced counterpart foreign application search report is attached.
- ☐ 7. Copies of some or all of the subject references were cited by, or submitted to the Office in related parent Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is relied upon under 35 U.S.C. §120. Thus, copies of these references are not attached (except for copies of cited pending applications). 37 C.F.R. §1.98(d).
- ☐ 8. A copy of each copending application recited in the parent application of paragraph 7 above, and/or a copy of other related copending applications, is enclosed.

  
\_\_\_\_\_  
Judith L. Byorck  
Signature under 37 CFR 1.33 & 34  
Registration No. 32,606  
Telephone No. 585.423.4564  
Date 02/02/2004

Form PTO-1449

US Dept. of Commerce  
PATENT & TRADEMARK OFFICEATTY DOCKET NO.  
D/A1440APPLICATION NO.  
10/721,140INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

APPLICANT Timothy P. Bender

FILING DATE 11/25/2003

GROUP ART UNIT

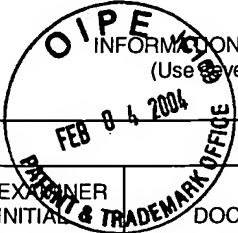
## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE	CLASS	SUB CLASS
	2,297,691	10/6/1942	Carlson	95	5
	3,121,006	2/11/1964	Middleton et al.	96	1
	4,265,990	5/5/1981	Stolka et al.	430	59
	4,251,612	2/17/1981	Chu et al.	430	59
	3,041,167	6/26/1962	Blakney et al.	96	1
	5,994,425	11/30/1999	Narang et al.	522	35
	6,022,095	2/8/2000	Narang et al.	347	20
	5,849,809	12/15/1998	Narang et al.	522	35
	6,203,143 B1	3/20/2001	Narang et al.	347	65
	6,124,372	9/26/2000	Smith et al.	522	35
	6,151,042	11/21/2000	Smith et al.	347	20
	6,323,301 B1	11/27/2001	Smith et al.	528	125
	5,889,077	3/30/1999	Fuller et al.	522	162
	6,087,414	7/11/2000	Fuller et al.	522	162
	5,739,254	4/14/1998	Fuller et al.	528	125
	5,753,783	5/19/1998	Fuller et al.	525	471
	5,761,809	6/9/1998	Fuller et al.	29	890.1
	5,958,995	9/28/1999	Narang et al.	522	35
	6,184,263 B1	2/6/2001	Narang et al.	522	111
	5,945,253	8/31/1999	Narang et al.	430	280.1
	6,365,323 B1	4/2/2002	Narang et al.	430	280.1
	5,863,963	1/26/1999	Narang et al.	522	162
	6,090,453	7/18/2000	Narang et al.	427	504
	6,007,877	12/28/1999	Narang et al.	427	510
	6,273,543 B1	8/14/2001	Narang et al.	347	20
	5,814,426	9/29/1998	Fuller et al.	430	96

EXAMINER

DATE CONSIDERED

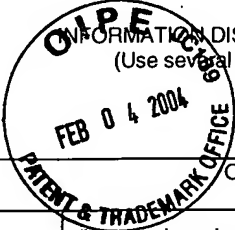
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Form PTO-1449		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. D/A1440		APPLICATION NO. 10/721,140	
 INFORMATION ON DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Timothy P. Bender					
		FILING DATE 11/25/2003		GROUP ART UNIT			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE		CLASS	SUB CLASS	
	5,882,814	3/16/1999	Fuller et al.		430	59	
	5,874,192	2/23/1999	Fuller et al.		430	58	
	6,273,985 B1	8/14/2001	DeLouise et al.		156	273.3	
	6,260,956 B1	7/17/2001	Narang et al.		347	63	
	6,117,967	9/12/2000	Fuller et al.		528	125	
	6,177,238 B1	1/23/2001	Fuller et al.		430	320	
	6,174,636 B1	1/16/2001	Fuller et al.		430	58.7	
	6,187,512 B1	2/13/2001	Foucher et al.		430	311	
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	6,139,920	10/31/2000	Smith et al.		427	510	
	6,260,949 B1	7/17/2001	Smith et al.		347	44	
	5,773,553	6/30/1998	Fuller et al.		528	170	
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	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	TRANSLATION Y/N
	EPC	EP 827027	3/4/1998	Xerox Corporation	
	EPC	EP 827028	3/4/1998	Xerox Corporation	
	EPC	EP 827029	3/4/1998	Xerox Corporation	
	EPC	EP 827030	3/4/1998	Xerox Corporation	
	EPC	EP 826700	3/4/1998	Xerox Corporation	
	EPC	EP 827026	3/4/1998	Xerox Corporation	
	EPC	EP 827031	3/4/1998	Xerox Corporation	
	EPC	EP 827033	3/4/1998	Xerox Corporation	
	EPC	EP 827032	3/4/1998	Xerox Corporation	
	EPC	EP 918257	5/26/1999	Xerox Corporation	
	EPC	EP 918256	5/26/1999	Xerox Corporation	
	EPC	EP 918258	5/26/1999	Xerox Corporation	

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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Timothy P. Bender	
		FILING DATE 11/25/2003	GROUP ART UNIT
OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)			
	Copingend Application U.S. Serial No. 10/322,110 (Attorney Docket No. D/A1336), filed December 17, 2002, entitled "Process for Preparing Substituted Polyarylene Ethers," by Timothy P. Bender		
	Copingend Application U.S. Serial No. 10/040,850 (Attorney Docket No. D/A0A52), filed January 9, 2002, entitled "Process for Preparing Polyarylene Ethers," by Timothy P. Bender		
	Copingend Application U.S. Serial No. 10/036,469 (Attorney Docket No. D/96176D1D), filed January 7, 2002, entitled "High Performance Curable Polymers and Processes for the Preparation Thereof," by Ram S. Narang et al.		
	Copingend Application U.S. Serial No. (not yet assigned; Attorney Docket No. D/A1385), filed November 19, 2003, entitled "Unsaturated Ester Substituted Polymers with Reduced Halogen Content," by Christine J. DeVisser et al.		
	Copingend Application U.S. Serial No. (not yet assigned; Attorney Docket Number D/A3597), filed concurrently herewith, entitled "Process for Preparing Branched Polyarylene Ethers," by Timothy P. Bender		
	English abstract for JP 10120743		
	English abstract for JP 10090895		
	English abstract for JP 10097073		
	English abstract for JP 10090894		
	English abstract for JP 10087817		
	English abstract for JP 10090896		
	English abstract for JP 10104836		
	English abstract for JP 10090897		
	English abstract for JP 10090899		
	English abstract for JP 10090898		
	English abstract for JP 11218943		
	English abstract for JP 11223956		
	English abstract for JP 11223955		
	English abstract for JP 200119761		
	English abstract for JP 2000344884		
	English abstract for JP 10100410		
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OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)			
	"Cyclodepolymerisation of bisphenol A polysulfone: evidence for self-complementarity in macrocyclic poly(ether sulfones)," Ian Baxter et al., <i>Chem. Commun.</i> , 1998, page 2213		
	"Hyperbranched Polymers 10 Years After," Y. H. Kim, <i>Journal of Polymer Science: Part A: Polymer Chemistry</i> , Vol. 36, 1685-1698 (1998)		
	"Randomly Branched Bisphenol A Polycarbonates. I. Molecular Weight Distribution Modeling, Interfacial Synthesis, and Characterization," M. J. Marks et al., <i>Journal of Polymer Science: Part A: Polymer Chemistry</i> , Vol. 38, 560-570 (2000)		
	"Hyperbranched poly(arylene ether phosphine oxide)s," H. S. Lee et al., <i>Polymer Bulletin</i> , 45, 319-326 (2000)		
EXAMINER	DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			